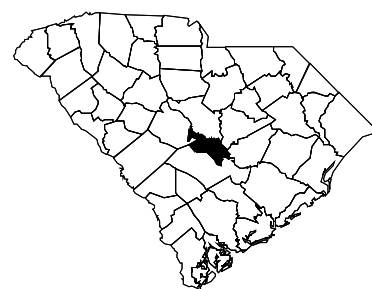


IMPACT OF CHRONIC CONDITIONS CALHOUN County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Calhoun county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Calhoun county's population is similar to the state population. The majority (34%) of the population in Calhoun county are between the ages of 18-44. There are more females (52.3%) than males (47.7%). Calhoun county has a higher minority population (46%) than the state (31%). When adults in DHEC's Region 5, which includes Calhoun County, were asked about their general health status, 79.0% reported having excellent, very good, or good health in 2005 (SC was 82%).

	CALHOUN COUNTY	STATE
Population size	15,100	4,255,083
Age distribution (%)		
<18	23	24
18-44	34	38
45-64	30	25
65-84	12	11
85+	2	2
Race (%)		
White	54	69
Black & Other	46	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Calhoun County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	22	22
Sedentary lifestyle	23	26
Overweight	65	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons aged 65 years and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28	.	.	.	.	31.7
Number of hospitalizations	24	20	4	10	14	5,032
Crude rate of hospitalizations (per 100,000)	159	288	49	139	177	118
Median age of hospitalized patients	62	62	57	62	62	57
Total cost of hospitalization (\$)	637,500	550,100	87,400	192,400	445,100	109,400,500
Average length of hospital stay (days)	6	6	4	4	7	5
Number of ED visits	25	19	6	12	13	7,466
Crude rate of ED visits (per 100,000)	166	274	74	167	164	175
Median age of ED patients	57	57	55	52	67	52
Total cost of ED visits (\$)	49,700	36,100	13,600	27,400	22,300	9,929,000
Number of deaths**	1	1	-	1	-	423
Age-Adjusted Death rate (per 100,000)**	4	11	-	9	-	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	212	98	114	109	103	60,901
Crude rate of hospitalizations (per 100,000)	1,404	1,411	1,398	1,515	1,303	1,431
Median age of hospitalized patients	67	62	72	62	67	67
Total cost of hospitalization (\$)	6,106,100	2,928,900	3,177,200	3,230,800	2,875,300	2,286,836,400
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	19	10	9	9	10	12,989
Crude rate of ED visits (per 100,000)	126	144	110	125	127	305
Median age of ED patients	72	62	77	72	72	62
Total cost of ED visits (\$)	96,400	49,500	46,900	38,700	57,700	42,115,900
Number of deaths**	37	24	13	17	20	9,328
Age-Adjusted Death rate (per 100,000)**	224	352	132	301	194	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.3	.	.	.	.	3
Number of hospitalizations	68	45	23	25	43	13,925
Crude rate of hospitalizations (per 100,000)	450	648	282	347	544	327
Median age of hospitalized patients	67	67	72	62	72	72
Total cost of hospitalization (\$)	2,159,100	1,525,500	633,600	847,000	1,312,100	384,441,600
Average length of hospital stay (days)	9	11	5	9	9	6
Number of ED visits	11	7	4	6	5	2,515
Crude rate of ED visits (per 100,000)	73	101	49	83	63	59
Median age of ED patients	72	72	75	65	82	67
Total cost of ED visits (\$)	56,000	34,500	21,500	33,900	22,100	9,113,000
Number of deaths**	6	1	5	1	5	2,440
Age-Adjusted Death rate (per 100,000)**	39	14	52	17	49	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	48	27	21	12	36	15,753
Crude rate of hospitalizations (per 100,000)	318	389	257	167	455	370
Median age of hospitalized patients	60	57	67	62	57	62
Total cost of hospitalization (\$)	1,091,700	584,500	507,200	244,100	847,600	268,425,300
Average length of hospital stay (days)	5	4	6	6	5	5
Number of ED visits	168	127	41	66	102	36,543
Crude rate of ED visits (per 100,000)	1,113	1,829	503	917	1,290	859
Median age of ED patients	30	27	42	37	27	37
Total cost of ED visits (\$)	228,400	158,600	69,800	86,000	142,400	40,613,700
Number of deaths**	6	5	1	4	2	1,968
Age-Adjusted Death rate (per 100,000)**	34	74	.	60	19	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	.	.	.	.	10.3
Number of hospitalizations	57	46	11	33	24	9,027
Crude rate of hospitalizations (per 100,000)	377	663	135	459	304	212
Median age of hospitalized patients	52	52	52	52	62	52
Total cost of hospitalization (\$)	1,029,800	731,100	298,700	599,600	430,200	179,747,700
Average length of hospital stay (days)	5	5	7	5	5	6
Number of ED visits	54	44	10	25	29	9,603
Crude rate of ED visits (per 100,000)	358	634	123	347	367	226
Median age of ED patients	52	47	57	52	47	52
Total cost of ED visits (\$)	85,200	68,800	16,400	34,600	50,600	13,447,300
Number of deaths**	9	6	3	6	3	1,183
Age-Adjusted Death rate (per 100,000)**	57	101	29	104	33	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	57	25	32	24	33	16,389
Crude rate of hospitalizations (per 100,000)	377	360	392	334	418	385
Median age of hospitalized patients	67	62	67	67	62	62
Total cost of hospitalization (\$)	2,188,000	982,700	1,205,300	686,600	1,501,400	664,309,500
Average length of hospital stay (days)	8	9	7	5	10	8
Number of deaths**	38	21	16	18	20	8,617
Age-Adjusted Death rate (per 100,000)**	219	307	156	271	199	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	4	3	3	4	2,070
Crude rate of hospitalizations (per 100,000)	46	58	37	42	51	49
Median age of hospitalized patients	62	65	52	67	60	67
Total cost of hospitalization (\$)	276,900	145,100	131,800	126,100	150,800	101,377,700
Average length of hospital stay (days)	6	7	5	6	6	10
Number of deaths**	4	2	2	2	2	812
Age-Adjusted Death rate (per 100,000)**	25	31	22	41	19	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	-	1	-	1	1,228
Crude rate of hospitalizations (per 100,000)	13	-	23	.	50	56
Median age of hospitalized patients	62	-	62	-	62	62
Total cost of hospitalization (\$)	19,500	-	19,500	-	19,500	26,163,000
Average length of hospital stay (days)	2	-	2	-	2	3
Number of deaths**	3	1	2	-	3	651
Age-Adjusted Death rate (per 100,000)**	28	.	30	-	28	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	2	3	4	1	2,181
Crude rate of hospitalizations (per 100,000)	33	29	37	56	13	51
Median age of hospitalized patients	67	62	67	60	67	67
Total cost of hospitalization (\$)	211,800	87,900	123,900	152,600	59,200	92,775,300
Average length of hospital stay (days)	8	8	8	7	12	9
Number of deaths**	12	6	6	9	3	2,703
Age-Adjusted Death rate (per 100,000)**	66	87	51	110	27	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	3	2	5	-	1,209
Crude rate of hospitalizations (per 100,000)	69	91	51	27	-	58
Median age of hospitalized patients	62	62	60	62	-	62
Total cost of hospitalization (\$)	102,300	61,800	40,500	102,300	-	30,356,600
Average length of hospital stay (days)	2	2	2	2	-	4
Number of deaths**	2	1	1	2	-	460
Age-Adjusted Death rate (per 100,000)**	37	24	44	37	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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